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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,013	09/05/2003	Subhasish Mitra	ITL.0971US (P16171)	8151
21906	7590 05/14/2007		EXAMINER	
TROP PRUNER & HU, PC 1616 S. VOSS ROAD, SUITE 750			CHUNG, PHUNG M	
HOUSTON, T	ΓX 77057-2631		ART UNIT	PAPER NUMBER
			2117	
			MAIL DATE	DELIVERY MODE
•			05/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary		10	/656,013	MITRA ET AL.	
		Ex	aminer	Art Unit	
		Phi	ung My Chung	2117	
<i> The</i> Period for Rep	MAILING DATE of this commun	nication appears	on the cover sheet	with the correspondence a	ddress
WHICHEVE - Extensions of after SIX (6) - If NO period if Failure to rep Any reply rec	ENED STATUTORY PERIOD F ER IS LONGER, FROM THE N f time may be available under the provisions MONTHS from the mailing date of this comi for reply is specified above, the maximum s ly within the set or extended period for reply eived by the Office later than three months t term adjustment. See 37 CFR 1.704(b).	MAILING DATE s of 37 CFR 1.136(a). munication. tatutory period will app y will, by statute, cause	OF THIS COMMUNION IN no event, however, may also and will expire SIX (6) Me the application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).	
Status	•				
2a) ☐ This a	onsive to communication(s) file action is FINAL . This application is in condition of the	2b)⊠ This action for allowance €	on is non-final. except for formal ma		ne merits is
Disposition of	Claims				
4a) O 5)∭ Claim 6)⊠ Claim 7)∭ Claim	n(s) 1-25 is/are pending in the f the above claim(s) is/an(s) is/are allowed. n(s) 1-25 is/are rejected. n(s) is/are objected to. n(s) are subject to restrict.	are withdrawn fr			
Application Pa	pers				
10)∭ The d Applic Repla	pecification is objected to by the rawing(s) filed on is/are cant may not request that any objectement drawing sheet(s) including ath or declaration is objected to	: a) accepted action to the draw g the correction is	ing(s) be held in abey required if the drawi	vance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 C	
Priority under	35 U.S.C. § 119				
12) Ackno a) All 1. 2. 3.	by b	documents have documents have of the priority donal Bureau (PC	ve been received. ve been received in ocuments have been CT Rule 17.2(a)).	Application No en received in this Nationa	al Stage
Attachment(s)		•			
2) Notice of Dragon Information	ferences Cited (PTO-892) aftsperson's Patent Drawing Review (I Disclosure Statement(s) (PTO/SB/08) /Mail Date		Paper N	w Summary (PTO-413) lo(s)/Mail Date If Informal Patent Application	

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claims 1-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claims 1-3, 9-10, 14 and 19-20, the phrase "at the same time" is not clear at to what it meant, for example, claim 1, lines 2-3, "adding...at the same time" is not clear whether it's referred to "each circuit that can produce an unknown logic value at the same time" or "adding ... and each circuit can produce...at the same time"? Appropriate correction is required.

As per claim 16, lines 2-3, "a plurality of exclusive OR gates arranged...unknown logic values" is not clear how these exclusive OR gates are arranged and how they handle any number of scan chains with unknown logic values. Appropriate correction and/or clarification is required.

As per claim 17, line 1, "that can handle any number of errors..." is not clear how it handle any number of error?

As per claims 4-8, 11-15, 18 and 21-25, these claims are also rejected because they dependent upon the rejected base claims.

Claim Objections

Claims 1-3, 9-11, 14, 17 and 19-20 are objected to because of the following 2. informalities:

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As per claims 1-3, 9-11 and 20, line 2, claims 10, 14 and 19, line 3 and claim 17, line 1, "can" a positive term should be used. Appropriate correction is required.

As per claim 9, line 1, "the process" should be changed to - - a process --.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless-

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Mitra et al ("An efficient Response Compaction Techque for Test Cost Reduction" IEEE 04/2002, paper 11.2, pages 311-320).

As per claim 16, Mitra et al disclose a response compactor, comprising:

A plurality of exclusive OR gates arranged to handle any unknown logic values. (See pg. 318, section 3.4. Testing the Compactor Circuit and pg. 320, section 6. Conclusions).

As per claims 17-18, Mitra et al further disclose that the compactor can handle any number of errors in the same scan cycle (pg. 320, section 6. Conclusions).

As per claims 1-8, 9-15 and 19-25, these method claims are rejected under similar rationale as set forth in claims 16-18. (See pg. 313, col. 2, pg. 314, col. 1, paragraph 7, pg. 318, section 3.4. Testing the Compactor Circuit, and pg. 320, section 6. Conclusions).

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5. Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phung My Chung whose telephone number is 571-272-3818. The examiner can normally be reached on Monday to Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jacques Louis-jacques can be reached on 571-272-6962. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phung My Chung

Primary Rate It Examiner

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